

IN THE SPECIFICATION

Please amend the specification as follows:

Replace the paragraph spanning pages 13-14, between page 3, line 28, and page 4, line 2 of the specification with the following:

~~The~~ In one embodiment, the object is achieved, ~~according to claim 1,~~ by means of a projection system for image reproduction by means of at least one lamp as well as a sensor for generating a sensor signal for monitoring changes in the luminous flux generated by said at least one lamp and for compensating these changes through a suitable control of the image reproduction, with a device for eliminating substantially periodic interference components from the sensor signal generated by the at least one sensor.

Delete the paragraph on page 5, between lines 2-3 of the specification.

Replace the paragraph on page 5, between lines 4-6 of the specification with the following:

~~The embodiments of claims 2 and 3~~ Another embodiment includes a filter eliminate the interference components by filtering out the frequency components associated therewith in the sensor signal.

Replace the paragraph on page 5, between lines 7-10 of the specification with the following:

~~The~~ In a further embodiment of claim 4 subjects, the sensor signal is subjected to a time-dependent amplification so as to suppress the interference components, ~~whereas in claim 5 and~~ the interference components are eliminated through subtraction of a suitably generated synchronized average value from the sensor signal.

Replace the paragraph on page 5, between lines 11-13 of the specification with the following:

~~The embodiments of claims 6 to 8 comprise various~~ Various advantageous realizations ~~of the embodiment according to claim 5~~ may be achieved by using a micro controller so that only a small

number of discrete or external electronic elements are necessary.

Replace the paragraph on page 5, between lines 14-16 of the specification with the following:

~~The In one embodiment of claim 9 has the advantage that it~~
~~which is more easily easier to implement and to install, because no~~
sensor and no sensor board has to be mounted in or at the light
path of the projection system.

Replace the paragraph on page 5, between lines 17-20 of the specification with the following:

~~In the Further embodiments as claimed in claims 10 to 12,~~
~~which are may be specially designed for a projection system with a~~
color modulator, ~~where individual sensitivities of the sensor or~~
sensors to different primary colors are compensated for through a
selective amplification or damping of the relevant sensor signals.

Replace the paragraph on page 5, between lines 21-24 of the specification with the following:

~~The embodiment according to claim 13 involves a preferred A~~

lamp driver unit may be provided into which substantially all essential components for detecting light which is propagating along the light path, as well as for correcting the related sensor signal, are integrated.

Replace the paragraph on page 5, between lines 25-28 of the specification with the following:

~~Claims 14 to 16 relate to various~~ Various alternatives may also be provided for controlling the brightness of the represented image with the sensor signal freed from the interference components so as to compensate for changes in the luminous flux generated by the lamp (for example caused by arc jumps).

Replace the paragraph on page 5, between lines 29-30 of the specification with the following:

~~Claim 17, finally,~~ A further embodiment involves a modification in the sense that the color temperature of a reproduced image can be set or attuned in a desired manner.

Replace the paragraph on page 15, between lines 21-31 of the specification with the following:

By means of the subtractor 37 the difference between the sensor signal which is directly supplied from the sensor 30 (and which is disturbed by the interference components) and the averaged sensor signal is generated. According to the above explanations in connection with the third embodiment shown in FIG. 5, this differential signal is proportional to the luminous flux generated by the lamp (lamp light information) and is supplied to the lamp driver unit 40 for controlling the lamp current. For simplifying the transmission to the unit 40 the output signal of the subtractor 37 is converted in a known manner by means of the comparator 433 and the wave form generator 434 into a ~~puls~~pulse width modulated signal (PWM) which can be converted into an optical signal and sent over an optical fiber. However, other modulations and transmission methods may be applied as well.

Replace the paragraph on page 16, between lines 12-16 of the specification with the following:

The output of the subtractor 37a is connected with the

digital/analog converter D/A so that the differential signal is converted into analog form and is available at the output of the micro controller 431 for transmission to the lamp driver unit 40 again in the form of a ~~puls~~pulse width modulated signal (PWM) according to the explanations above.

Replace the paragraph on page 16, between lines 25-30 of the specification with the following:

Furthermore the micro controller 431 comprises no digital/analog converter D/A. The differential signal which is available at the output of the digital subtractor 37a, is converted into an output signal by means of a ~~transmitting~~transmitting unit 435, preferably a ~~puls~~pulse width ~~modulator~~modulator (PWM). The output signal is preferably transmitted as an optical signal via an optical fiber to the lamp driver unit 40 so that no further processing is necessary.